

10/583066

SEQUENCE LISTING

AP20 Rec'd PCT/PTO 15 JUN 2006

<110> Korpela, Timo
 <120> Proteins inducing multiple resistance of plants to phytopathogens
 and pests
 <130> Korpela MF3
 <160> 6
 <170> PatentIn version 3.2
 <210> 1
 <211> 161
 <212> PRT
 <213> Pseudomonas fluorescence strain 197
 <400> 1

Met Leu Ile Ala Ala Asn Lys Ala Val Ser Ile Asp Tyr Thr Leu Thr
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Asn Asp Ala Gly Glu Val Ile Asp Ser Ser Ala Gly Gly Ala Pro Leu
 20 25 30

Val Tyr Leu Gln Gly Ala Gly Asn Ile Ile Pro Gly Leu Glu Lys Ala
 35 40 45

Leu Glu Gly Lys Ala Val Gly Asp Asp Leu Glu Val Ala Val Glu Pro
 50 55 60

Glu Asp Ala Tyr Gly Glu Tyr Ala Ala Glu Leu Val Ser Thr Leu Ser
 65 70 75 80

Arg Ser Met Phe Glu Gly Val Asp Glu Leu Glu Val Gly Met Gln Phe
 85 90 95

His Ala Ser Ala Pro Asp Gly Gln Met Gln Ile Val Thr Ile Ala Asp
 100 105 110

Leu Asp Gly Asp Asp Val Thr Val Asp Gly Asn His Pro Leu Ala Gly
 115 120 125

Gln Arg Leu Asn Phe Lys Val Lys Ile Val Asp Ile Arg Asp Ala Ser
 130 135 140

Gln Glu Glu Ile Ala His Gly His Val His Gly Glu Gly Gly His His
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His

korpe1a MF3.ST25

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<212> DNA
<213> pseudomonas fluorescence strain 197

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ccggacggcc agatgcagat cgtcaccatt gctgacctgg acggcgacga cgtcaccgtt    360
gatggcaacc accctctggc cggtcagcgc ctgaacttca aggttaagat cgttgatatc    420
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Ala Val Glu Pro Glu Asp Ala Tyr Gly Glu Tyr Ala Ala Glu Leu Val
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Ser Thr Leu Ser Arg Ser Met Phe Glu
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Met Gln Ile Val Thr Ile Ala Asp Leu Asp Gly Asp Asp Val Thr Val
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Asp Gly Asn His Pro Leu Ala Gly Gln Arg Leu Asn Phe Lys Val Lys
20          25          30

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korpela MF3.ST25

Ile Val Asp Ile Arg Asp Ala Ser Gln Glu Glu Ile Ala
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<210> 5
 <211> 25
 <212> DNA
 <213> artificial sequence

<220>
 <223> primer

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25

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25